

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (currently amended) A database architecture for an air traffic information display system comprising:

 a data manager including a first interface;

 a first database server connected to the data manager via the first interface, and receiving data from the data manager;

 a firewall connected to the first database server; [[and]]

 a second database server connected to the first database server via the firewall and including a stored procedure for copying the data from the first database server; and
 a data transfer link for implementing a one-way transfer of the data between the first database server and the second database server through the firewall using the stored procedure to prevent the data in the first database server from being corrupted by a user of the system.

2. (currently amended) A system as claimed in claim 1 wherein the first database server includes first tables for current data and second tables for logging changes to the current data, and wherein the changes are transferred to the second database server using the stored procedure.

3. (original) A system as claimed in claim 2 wherein the first tables include a flight data table.

4. (original) A system as claimed in claim 2 wherein the first tables include an airport system table.

5. (original) A system as claimed in claim 2 wherein the first tables include a system table.

6 (original) A system as claimed in claim 2 wherein the second tables include a flight data table.

7. (original) A system as claimed in claim 2 wherein the second tables include an airport system table.

8. (original) A system as claimed in claim 2 wherein the second tables include a system table.

9. (currently amended) A system as claimed in claim 1 wherein the first interface is an Open Database Connectivity (ODBC).

10. (original) A system as claimed in claim 1 wherein the second database server includes third tables for receiving updates from the second tables.

11. (original) A system as claimed in claim 10 wherein the second database server includes fourth tables for logging copies of the third tables.

12. (original) A system as claimed in claim 11 wherein the gateway database server includes fifth tables for storing movements.

13. (original) A system as claimed in claim 12 wherein the second database server includes a module for calculating movements in dependence upon changes in the third tables.

14. (currently amended) A method of storing air traffic information comprising [the steps of]:

receiving a data update request;

changing the data in accordance with the request;

storing the changed data in a first database server; and

copying the changed data to a second database server separated from the first

database server by a firewall, including implementing a one-way transfer of the changed

data between the first database server and the second database server through the firewall using a stored procedure in the second database server to prevent the changed data in the first database server from being corrupted by a user.

15. (original) A method as claimed in claim 14 wherein the [step of] storing includes storing the changed data in first tables.

16. (original) A method as claimed in claim 14 wherein the [step of] storing includes storing a log of data change transactions in second tables.

17. (original) A method as claimed in claim 15 wherein the first tables include a flight data table.

18. (original) A method as claimed in claim 15 wherein the first tables include an airport system table.

19. (original) A method as claimed in claim 15 wherein the first tables include a system table.

20. (original) A method as claimed in claim 16 wherein the second tables include a flight data table.

21. (original) A method as claimed in claim 16 wherein the second tables include an airport system table.

22. (original) A method as claimed in claim 16 wherein the second tables include a system table.

23. (original) A method as claimed in claim 14 wherein the [step of] copying includes storing updates from the second tables in third tables.

24. (original) A method as claimed in claim 14 wherein the [step of] copying includes logging copies of the third tables in fourth tables.

25. (original) A method as claimed in claim 14 wherein the [step of] copying includes calculating movements in dependence upon changes in the third tables.

26. (original) A method as claimed in claim 25 wherein the [step of] calculating includes storing movements in fifth tables.

27. (new) A system as claimed in claim 2 wherein the second table is populated by a trigger, and wherein one or more than one row associated with the changes is inserted into the second table when the changes are made to the first table.

28. (new) A system as claimed in claim 1 wherein the stored procedure is run by a scheduled job by which the one-way transfer of the data is implemented periodically.

29. (new) A method as claimed in claim 14 wherein the storing includes storing the changed data into a first table in the first database server, and populating a second table in the first database server to insert one or more than one row associated with the change into the second table.

30. (new) A method as claimed in claim 14 wherein the implementing includes running the stored procedure by a scheduled job to periodically implement the one-way transfer of the changed data.

31. (new) A method as claimed in claim 14 wherein the storing includes denormalizing tables in the first database server.